

Re-run

RAW SEQUENCE LISTING

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Information Center (STIC) no errors detected.**

Application Serial Number: 09/709,020A

Source: IFWO

Date Processed by STIC: 04/11/2007

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IFWO

RAW SEQUENCE LISTING

DATE: 04/11/2007

PATENT APPLICATION: US/09/709,020A

TIME: 09:56:48

Input Set : A:\ES.txt

Output Set: N:\CRF4\04102007\I709020A.raw

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3 <110> APPLICANT: Benning, Christoph
4   Sanda, Sherrie
5   Yu, Bin
7 <120> TITLE OF INVENTION: Compositions and Methods for the Synthesis and Subsequent
Modification of
8   Uridine-5-Diphosphosulfoquinovose (UDP-SQ)
10 <130> FILE REFERENCE: MSU-04769
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/709,020A
C--> 12 <141> CURRENT FILING DATE: 2000-11-08
12 <160> NUMBER OF SEQ ID NOS: 24
14 <170> SOFTWARE: PatentIn version 3.0
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 1134
18 <212> TYPE: DNA
19 <213> ORGANISM: Cyanobacterium Synechococcus
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23 <222> LOCATION: (1)..(1134)
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30 atc gtc acg cgg ctt cgg cac acg gtc gat cac ctg cag cgt ctt ggc      96
31 Ile Val Thr Arg Leu Arg His Thr Val Asp His Leu Gln Arg Leu Gly
32          20          25          30
34 cac acc gtc atg gtt ttt tgc ccc gac ggc ggg ctc cgc gag cac aag      144
35 His Thr Val Met Val Phe Cys Pro Asp Gly Gly Leu Arg Glu His Lys
36          35          40          45
38 ggg gct cga gtc tat ggg gtt aaa ggc ttt ccg cta ccg ctc tat ccc      192
39 Gly Ala Arg Val Tyr Gly Val Lys Gly Phe Pro Leu Pro Leu Tyr Pro
40          50          55          60
42 gag ctg aag cta gct ttt ccg ttg ccg aaa gtg gga aaa gcc ttg gag      240
43 Glu Leu Lys Leu Ala Phe Pro Leu Pro Lys Val Gly Lys Ala Leu Glu
44 65          70          75          80
46 cgg ttc cgg ccc gac ctg atc cac gtg gtc aat ccg gct gtg ttg ggg      288
47 Arg Phe Arg Pro Asp Leu Ile His Val Val Asn Pro Ala Val Leu Gly
48          85          90          95
50 ttg ggc ggc atc tac tat gcc aag gcg cta aat gtg cca ctc gtg gcg      336
51 Leu Gly Gly Ile Tyr Tyr Ala Lys Ala Leu Asn Val Pro Leu Val Ala
52          100          105          110
54 tcc tat cac acc cat ttg ccg aaa tac ctt gag cat tac ggg ctg ggg      384
55 Ser Tyr His Thr His Leu Pro Lys Tyr Leu Glu His Tyr Gly Leu Gly
56          115          120          125
58 gtc ttg gag ggg gtg ctc tgg gaa ttg ctg aag ctg gcg cat aac caa      432

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63 Ala Ala Ile Asn Leu Cys Thr Ser Thr Ala Met Val Gln Glu Leu Thr
64 145      150      155      160
66 gat cac ggc att gag cac tgt tgc ctc tgg cag cga gga gtg gat acc      528
67 Asp His Gly Ile Glu His Cys Cys Leu Trp Gln Arg Gly Val Asp Thr
68      165      170      175
70 gag acc ttt cgg cca gac ttg gct act gct gcg atg cgc gat cgc ctc      576
71 Glu Thr Phe Arg Pro Asp Leu Ala Thr Ala Ala Met Arg Asp Arg Leu
72      180      185      190
74 agt ggc ggt aag ccc act gcg ccc ttg ttg ctc tac gtc gga cgc ctc      624
75 Ser Gly Gly Lys Pro Thr Ala Pro Leu Leu Leu Tyr Val Gly Arg Leu
76      195      200      205
78 tca gcc gag aag caa atc gat cgc ctg cga ccc att ttg gat gcc aat      672
79 Ser Ala Glu Lys Gln Ile Asp Arg Leu Arg Pro Ile Leu Asp Ala Asn
80      210      215      220
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83 Pro Glu Ala Cys Leu Ala Leu Val Gly Asp Gly Pro His Arg Ala Glu
84 225      230      235      240
86 cta gag caa ttg ttt gct ggc acc cag acg cag ttc att ggc tat ctg      768
87 Leu Glu Gln Leu Phe Ala Gly Thr Gln Thr Gln Phe Ile Gly Tyr Leu
88      245      250      255
90 cat ggg gaa cag cta ggg gcg gcc tac gct tct gct gac gct ttt gtc      816
91 His Gly Glu Gln Leu Gly Ala Ala Tyr Ala Ser Ala Asp Ala Phe Val
92      260      265      270
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95 Phe Pro Ser Arg Thr Glu Thr Leu Gly Leu Val Leu Leu Glu Ala Met
96      275      280      285
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103 Ile Val Ser Asp Gly Ile Asn Gly Phe Leu Phe Asp Pro Glu Asp Glu
104 305      310      315      320
106 caa ggg gcg atc gct gcg att cag cgc ttg ttg gct aac cct gca gag      1008
107 Gln Gly Ala Ile Ala Ala Ile Gln Arg Leu Leu Ala Asn Pro Ala Glu
108      325      330      335
110 cgc gag att cta cgc caa gcg gct cgt caa gaa gcc gaa cgc tgg agc      1056
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112      340      345      350
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120      370      375
123 <210> SEQ ID NO: 2
124 <211> LENGTH: 377

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138 His Thr Val Met Val Phe Cys Pro Asp Gly Gly Leu Arg Glu His Lys
139 35 40 45
142 Gly Ala Arg Val Tyr Gly Val Lys Gly Phe Pro Leu Pro Leu Tyr Pro
143 50 55 60
146 Glu Leu Lys Leu Ala Phe Pro Leu Pro Lys Val Gly Lys Ala Leu Glu
147 65 70 75 80
150 Arg Phe Arg Pro Asp Leu Ile His Val Val Asn Pro Ala Val Leu Gly
151 85 90 95
154 Leu Gly Gly Ile Tyr Tyr Ala Lys Ala Leu Asn Val Pro Leu Val Ala
155 100 105 110
158 Ser Tyr His Thr His Leu Pro Lys Tyr Leu Glu His Tyr Gly Leu Gly
159 115 120 125
162 Val Leu Glu Gly Val Leu Trp Glu Leu Leu Lys Leu Ala His Asn Gln
163 130 135 140
166 Ala Ala Ile Asn Leu Cys Thr Ser Thr Ala Met Val Gln Glu Leu Thr
167 145 150 155 160
170 Asp His Gly Ile Glu His Cys Cys Leu Trp Gln Arg Gly Val Asp Thr
171 165 170 175
174 Glu Thr Phe Arg Pro Asp Leu Ala Thr Ala Ala Met Arg Asp Arg Leu
175 180 185 190
178 Ser Gly Gly Lys Pro Thr Ala Pro Leu Leu Leu Tyr Val Gly Arg Leu
179 195 200 205
182 Ser Ala Glu Lys Gln Ile Asp Arg Leu Arg Pro Ile Leu Asp Ala Asn
183 210 215 220
186 Pro Glu Ala Cys Leu Ala Leu Val Gly Asp Gly Pro His Arg Ala Glu
187 225 230 235 240
190 Leu Glu Gln Leu Phe Ala Gly Thr Gln Thr Gln Phe Ile Gly Tyr Leu
191 245 250 255
194 His Gly Glu Gln Leu Gly Ala Ala Tyr Ala Ser Ala Asp Ala Phe Val
195 260 265 270
198 Phe Pro Ser Arg Thr Glu Thr Leu Gly Leu Val Leu Leu Glu Ala Met
199 275 280 285
202 Ala Ala Gly Cys Pro Val Val Ala Ala Asn Ser Gly Gly Ile Pro Asp
203 290 295 300
206 Ile Val Ser Asp Gly Ile Asn Gly Phe Leu Phe Asp Pro Glu Asp Glu
207 305 310 315 320
210 Gln Gly Ala Ile Ala Ala Ile Gln Arg Leu Leu Ala Asn Pro Ala Glu
211 325 330 335
214 Arg Glu Ile Leu Arg Gln Ala Ala Arg Gln Glu Ala Glu Arg Trp Ser
215 340 345 350
218 Trp Asn Ala Ala Thr Arg Gln Leu Gln Asp Tyr Tyr Cys Glu Val Leu
219 355 360 365

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222 Ala Asp Gly Cys Leu Pro Leu Ala Ala

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226 <210> SEQ ID NO: 3

227 <211> LENGTH: 2979

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236 ctttgctggt gctgctctcc aatcatatct ctcggtctct tctcttgccg cttttccaat      180
238 gatctctctt gtttcacggt cgtgcagtaa agttctcagt tttgtcacgc aatcttcaac      240
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242 aaccacaagc tcaatatagg ttgaccata agaacaatca atgcaagatc attttgtgta      360
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RAW SEQUENCE LISTING ERROR SUMMARY
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Output Set: N:\CRF4\04102007\I709020A.raw

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The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 7

VERIFICATION SUMMARY

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Input Set : A:\ES.txt

Output Set: N:\CRF4\04102007\I709020A.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date